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U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

<b>TRANSMITTAL FORM</b>  (to be used for all correspondence after initial filing)	Application Number	10/699,258	
	Filing Date	October 31, 2003	
	First Named Inventor	Sebastian C. Reyes, et al.	
	Art Unit	1764	
	Examiner Name	Unknown	
Total Number of Pages in This Submission	6 + 5 refs.	Attorney Docket Number	JCW-0306 (P2003J087)

ENCLOSURES (Check all that apply)		
<input type="checkbox"/> Fee Transmittal Form	<input type="checkbox"/> Drawing(s)	<input type="checkbox"/> After Allowance communication to Group
<input type="checkbox"/> Fee Attached	<input type="checkbox"/> Licensing-related Papers	<input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences
<input type="checkbox"/> Amendment/Reply	<input type="checkbox"/> Petition	<input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief)
<input type="checkbox"/> After Final	<input type="checkbox"/> Petition to Convert to a Provisional Application	<input type="checkbox"/> Proprietary Information
<input type="checkbox"/> Affidavits/declaration(s)	<input type="checkbox"/> Power of Attorney, Revocation	<input type="checkbox"/> Status Letter
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<input checked="" type="checkbox"/> Information Disclosure Statement	<input type="checkbox"/> Request for Refund	
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<input type="checkbox"/> Response to Missing Parts/Incomplete Application	<b>Remarks</b>  This Information Disclosure Statement is being facsimiled transmitted to 703/872-9306. Attached are 4 articles and 1 foreign reference. No fee is due.	
<input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53		

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT	
Firm or Individual name	Gerard J. Hughes, Reg. No. 41,855
Signature	
Date	20 June 2005

CERTIFICATE OF TRANSMISSION/MAILING	
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This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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"PATENT"

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

IN RE APPLICATION OF:

Sebastian C. Reyes, et al.

SERIAL NO.: 10/699,258

FILED: October 31, 2003

FOR: Light Hydrocarbon  
Separation Using 8-  
Member Zeolites

§ EXAMINER: Unknown  
§  
§ GROUP ART UNIT: 1764  
§  
§ ATTY. DOCKET NO.: JCW-0306  
§  
§ FAMILY NO.: P2003J087  
§

Honorable Commissioner for Patents  
P. O. Box 1450  
Alexandria, Virginia 22313-1450

**INFORMATION DISCLOSURE STATEMENT**

Sir:

In accordance with Title 37, Sections 1.56, 1.97 and 1.98 of the Code of Federal Regulations, and pursuant to applicants' duty of candor and good faith toward the United States Patent and Trademark Office, the Examiner's attention is drawn to the art indicated on the attached PTO-1449 form.

This Information Disclosure Statement is being filed under:

- ☐ 37 CFR 1.97 (b) (1) within three months of the filing date of a national application other than a continued prosecution application.
- ☐ 37 CFR 1.97 (b) (2) within three months of the date of entry of the national stage in an international application.
- ☒ 37 CFR 1.97 (b) (3) before the mailing date of a first Office action on the merits.
- ☐ 37 CFR 1.97 (b) (4) before the mailing date of a first Office action after filing a Request for Continued Examination.
- ☐ 37 CFR 1.97 (c) before the mailing date of a final action or notice of allowance. This Information Disclosure Statement is accompanied by the appropriate statement under 37 CFR 1.97(e) and the fee set forth in 37 CFR 1.17 (p).

- ☐ 37 CFR 1.97 (d) prior to payment of the issue fee. This Information Disclosure Statement is accompanied by the appropriate statement under 37 CFR 1.97 (e) and the fee set forth in 37 CFR 1.17 (p).

Form PTO-1449 is attached to this paper listing documents submitted in the above-referenced case. It is respectfully requested that the Examiner consider these documents and return an initialed copy of each form to the attorney of record.

This disclosure statement should not be construed as a representation that a search has been made or that no other material information, as defined in 37 CFR § 1.56(a), exists.

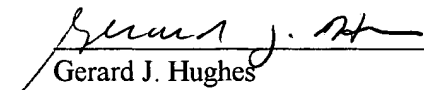
The instant application was filed after June 30, 2003. In accordance with *1276 Official Gazette 55*, Aug. 5, 2003, which waives the requirement under 37 CFR 1.98 (a) (2) (i) for submitting a copy of each cited U.S. patent and each U.S. patent application publication, applicants have not submitted copies of these documents. Copies of any cited foreign patent documents and/or non-patent literature are submitted herewith in accordance with 37 CFR 1.98 (a) (2).

We believe that this disclosure complies with the requirements of 37 CFR § 1.56, 1.97 and 1.98, and the Manual of Patent Examining Procedures § 609. If for any reason the Examiner finds that the disclosure or documents do not comply with these sections, notification is respectfully requested.


If there are any matters or issues outstanding, the Examiner is encouraged to contact the attorney of record at the telephone number listed below.

Respectfully submitted:

Date: 20 June 2005

  
Gerard J. Hughes  
Attorney for Applicants  
Registration No. 41,855  
Telephone: (225) 977-4942  
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P. O. Box 900  
Annandale, New Jersey 08801-0900

 <p>INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)</p>	ATTY. DOCKET NO. JCW-0306 (P2003J087)	SERIAL NO. 10/699,258
	APPLICANT Sebastian C. Reyes, et al.	
	FILING DATE October 31, 2003	GROUP 1764

## U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AA	4,544,538	10/1/85	Zones	423	326	
	AB	5,365,011	11/15/94	Ramachandran et al.	585	829	
	AC	5,466,837	11/14/95	Ramachandran et al.	549	533	
	AD	6,200,366	3/13/01	Bulow et al.	95	101	
	AE	6,293,999	9/25/01	Cheng et al.	95	96	
	AF	6,296,688	10/2/01	Cheng et al.	95	101	
	AG	6,488,741	12/3/02	Olson	95	144	
	AH						
	AI						
	AJ						

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	PUBL. DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
	AK							
	AL							
	AM							
	AN							

## OTHER DISCLOSURES (Including Author, Title, Date, Pertinent Pages of Publication, Etc.)

	AO	
	AP	
	AQ	

EXAMINER

DATE CONSIDERED

\*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next comment to applicant

<b>INFORMATION DISCLOSURE STATEMENT</b>  <i>(Use several sheets if necessary)</i>				ATTY. DOCKET NO. JCW-0306 (P2003J087)		SERIAL NO. 10/699,258	
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	AB						
	AC						
	AD						
	AE						
	AF						
	AG						
	AH						
	AI						
	AJ						
FOREIGN PATENT DOCUMENTS							
		DOCUMENT NUMBER	PUBL. DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION <div style="display: flex; justify-content: space-between; font-size: 0.8em;"> <div>YES</div> <div>NO</div> </div>
	AK	EP0768111	16/04/97	EP	B01D	53/94	
	AL						
	AM						
	AN						
OTHER DISCLOSURES (Including Author, Title, Date, Pertinent Pages of Publication, Etc.)							
	AO						
	AP						
EXAMINER				DATE CONSIDERED			
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				October 31, 2003		1764	

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	AA						
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FOREIGN PATENT DOCUMENTS							
		DOCUMENT NUMBER	PUBL. DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION
							YES   NO
	AJ						
	AK						

OTHER DISCLOSURES (Including Author, Title, Date, Pertinent Pages of Publication, Etc.)		
	AL	Padin, Joel, and Ralph T. Yang, "New sorbents for olefin/paraffin separations by adsorption via $\pi$ -complexation: synthesis and effects of substrates," <i>Chemical Engineering Science</i> 55 (2000) pp. 2607-2616.
	AM	Yang, R.T., and Kikkinides, E.S., "New Sorbents for Olefin/Paraffin Separations by Adsorption via $\pi$ -Complexation," <i>AIChE Journal</i> , Vol. 41, No. 3 (March 1995) pp. 509-517.
	AN	Zhu, W., Kapteijn, F., and Moulijn, J.A., "Shape Selectivity in the Adsorption of Propane/Propene on the All-Silica DD3R," <i>Chemical Community</i> (1999) pp. 2453-2454.
	AO	Zones, S.I., "Conversion of Faujasites to High-silica Chabazite SSZ-13 in the Presence of N,N,N-Trimethyl-1-adamantammonium Iodide," <i>J. Chem. Soc. Faraday Trans.</i> , 1991, Vol. 87, pp. 3709-3716.

EXAMINER	DATE CONSIDERED
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